

RESULT LIST

Approximately **149** results found in the Worldwide database for:
manipulator and degrees and freedom in the title or abstract
 (Results are sorted by date of upload in database)

1 Surgical manipulator for a telerobotic system

Inventor: GREEN PHILIP S (US); JENSEN JOEL F (US) Applicant: STANFORD RES INST INT (US)

EC: A61B19/00M; B25J15/04; (+1) IPC: A61B19/00

Publication info: **US2005192595** - 2005-09-01

2 MULTI-DEGREE-OF-FREEDOM MANIPULATOR

Inventor: MITSUISHI MAMORU; WARISAWA SHINICHI; Applicant: MITSUISHI MAMORU; THK CO LTD
 (+2)

EC: A61B19/00M IPC: A61B17/28; B25J17/00; (+1)

Publication info: **JP2005169011** - 2005-06-30

3 Robot with a manipulator arm

Inventor: WANG YULUN (US); LABY KEITH P (US); Applicant:

(+1)

EC: IPC: G05B19/04

Publication info: **US2005104547** - 2005-05-19

4 Porosimetric device

Inventor: VOLFKOVICH YURY MIRONOVICH (RU);
 BLINOV IGOR ALEXANDROVICH (RU); (+1)

EC: G01N15/08A IPC: G01N15/08

Publication info: **US2005034507** - 2005-02-17

5 POROSIMETRIC DEVICE

Inventor: VOLFKOVICH YURY MIRONOVICH (CA);
 BLINOV IGOR ALEXANDROVICH (CA)

EC: IPC: G01N15/08

Publication info: **CA2473293** - 2005-01-07

6 Surgical manipulator

Inventor: CHARLES STEVE T (US); STUART J MICHAEL Applicant: MICRODEXTERITY SYSTEMS INC (US)
 (US); (+1)

EC: A61B19/00M IPC: A61B19/00

Publication info: **US2004162564** - 2004-08-19

7 METHOD AND DEVICE FOR MACHINING WORKPIECE

Inventor: GMEINER PETER Applicant: KUKA ROBOTER GMBH

EC: B25J9/16P3 IPC: B25J13/00; G05B19/18; (+1)

Publication info: **JP2004174709** - 2004-06-24

8 Process for monitoring an energy source guiding device as a manipulator

Inventor: KROTH EBERHARD DR (DE) Applicant: REIS GMBH & CO MASCHINENFABRIK (DE);
 ELAN SCHALTELEMENTE GMBH & CO (DE)

EC: B23K26/10B; B23K26/42D; (+3) IPC: B23K26/08

Publication info: **EP1402987** - 2004-03-31

9 METHOD AND APPARATUS FOR ARRANGING AND ORIENTING PACKAGES

Inventor: OPPICI GIORGIO (IT) Applicant: A C M I S R L (IT); OPPICI GIORGIO (IT)

EC: B65G47/08D; B65G47/26 IPC: B65G47/08; B65G47/26

Publication info: **WO2004039705** - 2004-05-13

10 SINGLE AXIS MANIPULATOR WITH CONTROLLED COMPLIANCE

Inventor: CHIU MICHAEL A; BENTLEY NEIL R Applicant: TERADYNE INC (US)

EC: H01L21/68 IPC: H01L

101

[Search Summary]**Results of searching in PCT (Full Text) for:****piezoelectric and "degrees of freedom" and (manipulator or robot or robotic): 83 records***Showing records 1 to 25 of 83 :*[Next 25 records](#)[Start At](#)[Refine Search](#)

piezoelectric and "degrees of freedom" and (manipulator or robot or robotic)

Title

1. [\(WO 2005/089176\) MECHANICAL META-MATERIALS](#)
2. [\(WO 2005/087128\) ROBOTIC CATHETER SYSTEM](#)
3. [\(WO 2005/078453\) PROTEOME EPITOPE TAGS AND METHODS OF USE THEREOF IN PROTEIN MODIFICATION ANALYSIS](#)
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5. [\(WO 2005/074372\) METHODS AND APPARATUS FOR REHABILITATION AND TRAINING](#)
6. [\(WO 2005/074371\) METHODS AND APPARATUS FOR REHABILITATION AND TRAINING](#)
7. [\(WO 2005/058137\) CATHETERSCOPE 3D GUIDANCE AND INTERFACE SYSTEM](#)
8. [\(WO 2005/044095\) ROBOTIC SURGICAL DEVICE](#)
9. [\(WO 2005/031789\) METHOD, SYSTEM AND DEVICE FOR MICROSCOPIC EXAMINATION EMPLOYING FIB-PREPARED SAMPLE GRASPING ELEMENT](#)
10. [\(WO 2005/018428\) ACTIVATED POLYMER ARTICULATED INSTRUMENTS AND METHODS OF INSERTION](#)
11. [\(WO 2005/009245\) RAPID AND ACCURATE DETECTION OF BONE QUALITY USING ULTRASOUND CRITICAL ANGLE REFLECTOMETRY](#)
12. [\(WO 2005/009211\) INSERTABLE DEVICE AND SYSTEM FOR MINIMAL ACCESS PROCEDURE](#)
13. [\(WO 2004/046164\) UNIQUE RECOGNITION SEQUENCES AND METHODS OF USE THEREOF IN PROTEIN ANALYSIS](#)
[Repub: 13.01.2005]
14. [\(WO 2004/099712\) AUGMENTING REALITY SYSTEM FOR REAL-TIME NANOMANIPULATION USING ATOMIC FORCE MICROSCOPY](#)
15. [\(WO 2004/069413\) SAMPLE HANDLING TOOL WITH PIEZOELECTRIC ACTUATOR](#)
[Repub: 30.09.2004]
16. [\(WO 2004/077584\) PIEZOELECTRIC ACTUATOR WITH PASSIVE GAP FOR PUSH-PULL MOTION](#)
17. [\(WO 2004/069413\) SAMPLE HANDLING TOOL WITH PIEZOELECTRIC ACTUATOR](#)
18. [\(WO 2004/014244\) MICROSURGICAL ROBOT SYSTEM](#)
[Repub: 29.07.2004]
19. [\(WO 2004/063029\) DROPLET DISPENSATION FROM A RESERVOIR WITH REDUCTION IN UNCONTROLLED ELECTROSTATIC CHARGE](#)
20. [\(WO 2004/051414\) WAVE GUIDE WITH ISOLATED COUPLING INTERFACE](#)

Searching PAJ

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Search Results : 5

Index Indication**Clear****Text Search**

If you want to conduct a Number Search, please click on
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Number Search

Applicant,Title of invention,Abstract — e.g. computer semiconductor

If you use the AND/OR operation, please leave a SPACE between keywords.

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manipulator robot robotic

OR**AND**

piezoelectric

AND**AND**

degrees freedom

AND**AND**

Date of publication of application — e.g.19980401 - 19980405

 - **AND**

IPC — e.g. D01B7/04 A01C11/02

If you use the OR operation, please leave a SPACE between keywords.

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Search Results

11/21/2005 - 10:22:02

 Query :

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((piezoelectric <and> degrees <near>
```

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Query: ((piezoelectric <and> degrees <near> freedom) <AND>
( ( (manipulator <or> robotic <or> robot) <in> abstract )
```

1 documents out of 1653423 matched your query. Click on its number to view the details of the document.

Note: All document detail pages now appear on a new Browser Window.

1. [2437286](#) MICROSURGICAL ROBOT SYSTEM 80%

Last Modified: 2002-12-31

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	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
1	IS&R	L1	398	(310/323.12,323.17,323.18,325).CCLS.	USPAT	2005/11/21 10:13	
2	IS&R	L2	88	(310/323.12,323.17,323.18,325).CCLS.	US- PGPUB ; EPO; JPO; DERWE NT; IBM_T DB	2005/11/21 10:16	
3	BRS	L3	0	piezoelectric and three adj3 axes adj3 freedom and manipulator	USPAT	2005/11/21 10:16	
4	BRS	L4	0	piezoelectric and three adj3 axes adj3 freedom and manipulator	US- PGPUB ; USOCR ; EPO; JPO; DERWE NT; IBM_T DB	2005/11/21 10:17	
5	BRS	L5	65	piezoelectric and three adj3 degrees adj3 freedom and manipulator	US- PGPUB ; USPAT ; USOCR ; EPO; JPO; DERWE NT; IBM_T DB	2005/11/21 10:17	

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1	IS&R	L1	398	(310/323.12,323.17,323.18,325).CCLS.	USPAT	2005/11/21 10:13	
2	IS&R	L2	88	(310/323.12,323.17,323.18,325).CCLS.	US- PGPUB ; EPO; JPO; DERWE NT; IBM_T DB	2005/11/21 10:16	
3	BRS	L3	0	piezoelectric and three adj3 axes adj3 freedom and manipulator	USPAT	2005/11/21 10:16	
4	BRS	L4	0	piezoelectric and three adj3 axes adj3 freedom and manipulator	US- PGPUB ; USOCR ; EPO; JPO; DERWE NT; IBM_T DB	2005/11/21 10:17	
5	BRS	L5	65	piezoelectric and three adj3 degrees adj3 freedom and manipulator	US- PGPUB ; USPAT ; USOCR ; EPO; JPO; DERWE NT; IBM_T DB	2005/11/21 11:06	
6	IS&R	L6	1	("6723106").PN.	USPAT	2005/11/21 11:24	

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
7	IS&R	L7	38	<pre>(("4580073") or ("4587452") or ("4678956") or ("4692650") or ("4692651") or ("4734610") or ("4752711") or ("4763148") or ("4771203") or ("4788468") or ("4810923") or ("4947076") or ("5008581") or ("5017823") or ("5099166") or ("5128580") or ("5155407") or ("5274295") or ("5298829") or ("5300850") or ("5436522") or ("5548176") or ("5585685") or ("5646469") or ("5739621") or ("5760529") or ("5770916") or ("5814919") or ("5917270") or ("5949178") or ("5952766") or ("6051911") or ("6121717") or ("5128580") or ("5155407") or ("5274296") or ("5298829") or ("5436522") or ("5585685") or ("5646469") or ("5739621") or ("5760528") or ("5770916") or ("5917268") or ("6051911") or ("6191520") or</pre>	USPAT	2005/11/21 11:27	

				("6380660") . PN.			
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1	BRS	L1	0	(robot\$2 OR MANIPULATOR) and freedom and distal same magnify\$3	USPAT	2005/11/2 1 14:20	
2	BRS	L2	2	(robot\$2 OR MANIPULATOR) and freedom and distal same magnify\$3	US- PGPUB ; USOCR ; EPO; JPO; DERWE NT; IBM_T DB	2005/11/2 1 14:21	
3	BRS	L3	9	(robot\$2 OR MANIPULATOR) same magnify\$3 and freedom	US- PGPUB ; USOCR ; EPO; JPO; DERWE NT; IBM_T DB	2005/11/2 1 14:21	
4	BRS	L4	11	(robot\$2 OR MANIPULATOR) same magnify\$3 and freedom	USPAT	2005/11/2 1 14:22	